Manitoba

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Dear Colleague,

Please find attached the Summary of Communicable Diseases for the Month of September 2006. This report reflects the number of cases of reportable communicable diseases for which individuals in Manitoba tested positive* during the month of September 2006.

Communicable Diseases

In total, there were **415** new infections occurring across 26 communicable diseases** (excluding sexually transmitted infections and HIV) in September 2006. The observed number of cases were within the expected range for most of the reported communicable diseases with the exception of Hanta Virus (1 case observed; expect 0 cases) and Methicillin Resistant Staphylococcus Aureus (189 cases observed; expected range 0-144 cases). The expected number of cases and accompanying range is based on the number of cases during August, September, and October 2001-2005.

Sexually Transmitted Infections & Blood-Borne Pathogens

There were **461** cases of sexually transmitted infections (chlamydia, gonorrhoea, and syphilis) in September: 321 cases of chlamydia (Ct), 89 cases of gonorrhoea (GC), 47 GC-Ct co-infections, and 4 cases of syphilis. About two-thirds of all GC and Ct cases in the province were reported among young adults between the ages of 15 and 24 years. About half of all GC and Ct cases (45.7%) were reported for individuals living in the Winnipeg health region, and an additional 20% were from the Burntwood health region.

In September, 32 individuals tested positive for hepatitis C, most of who were reported from the Winnipeg health region. More than two-thirds of the cases were in the 30-49 year age groups, mostly among males. Eleven Manitobans, mostly males, tested positive for HIV in September 2006.

*Note: Data for the monthly summary are aggregated based on the earliest of: symptom onset date, specimen collection date, or report date. For the majority of cases, the date used will be the specimen collection date.

**Note: The following communicable diseases are reportable to the Director of Communicable Disease Control for surveillance purposes, and are not reported out for public health follow-up:

ascariasis (ICD9: 127.0)
clostridium difficile (ICD9: 558.2)
leishmaniasis – unspecified (ICD9: 085.9)
methicillin or vancomycin resistant staphylococcus aureus (MRSA/VRSA)
penicillin-resistant streptococcus pneumoniae (ICD9: 481.9)
schistosomiasis (ICD9: 120)
streptococcus pneumoniae – other site (ICD9: 041.2)
strongyloides (ICD9: 127.2)
vancomycin resistant enterococci (VRE)
tuberculosis (ICD9: 013, 011, 010 – cases and contacts of tuberculosis are managed by the Provincial Tuberculosis Control Programme located at the Health Sciences Centre)

Cheers,
Dr. Carole Beaudoin
Epidemiologist, Communicable Diseases

SUMMARY OF COMMUNICABLE DISEASE FOR September 2006

ICD9	DISEASE/INFECTION	MONTHLY TOTAL				YEAR-TO-DATE	
		2005	2006	Expected*	Ex. Range**	2005	2006
006.9	AMEBIASIS	2	2	2	0-5	27	28
022	ANTHRAX				***		1
127.0	ASCARIASIS			0	0-0		
005.8	B. CEREUS	1		0	0-1	1	
320.82	BAC. MENINGITIS - E.COL			0	0-0		
320.0	BAC. MENINGITIS - HAEM			0	0-0		
320.9	BAC. MENINGITIS - OTHER			0	0-1	1	
320.1	BAC. MENINGITIS - PNEUM			0	0-1	2	
320.3	BAC. MENINGITIS - STAPH			0	0-0		
320.2	BAC. MENINGITIS - STREP			0	0-1		
320.7	BAC.MENINGITIS-LISTERIA				***		
116.0	BLASTOMYCOSIS				***		
005.1	BOTULISM				***		
023	BRUCELLOSIS			0	0-0		
005.2	C. PERFRINGENS	2		2	0-7	3	4
008.43	CAMPYLOBACTER	26	27	25	13-37	216	172
558.2	CLOSTRIDIUM DIFFICILE	130	93		***	617	873
046.1	CREUTZFELD-JACOB DISEASE				***		
007.8	CRYPTOSPORIDIOSIS	2	9	7	0-27	18	23
061.0	DENGUE FEVER			0	0-0		2
065.4	DENGUE HEMORRHAGIC FEVER			0	0-0		
V02.4	DIPH.CARRIERS			0	0-0		
032	DIPHTHERIA CASES			0	0-0		
123.4	DIPHYLLOBOTHRIUM SPP			0	0-2	2	4
008.0	E. COLI-VEROTOXIGENIC	3	15	7	0-16	33	131
054.3	ENCEPHALITIS			0	0-0		1
005.9	FOOD POISONING OTHER			0	0-2		1
007.1	GIARDIA LAMBLIA	12	10	15	3-27	94	95
041.5	H.I.B.-NON MTGS		1	0	0-1	2	1
041.59	HAEM. INFLUENZAE (non-B)				***		
480.8	HANTA VIRUS		1	0	0-0		1
283.11	HEMOLYTIC UREMIC SYNDROME			0	0-1		
070.1	HEPATITIS A			1	0-3	16	10
070.3	HEPATITIS B			1	0-2	5	6
070.51	HEPATITIS C	30	32	40	20-60	312	234
054.8	HERPES-W-UNSPEC COMPL			0	0-0		5
487.1A	INFLUENZA A				***		
487.1B	INFLUENZA B				***		
A83.0	JAPANESE ENCEPHALITIS				***		
482.83	LEGIONELLA		1	0	0-1	3	2
085.9	LEISHMANIASIS			0	0-0		
030.9	LEPROSY			0	0-0		2
027.0	LISTERIA MONOCYTOGENES		1	0	0-1	4	4
088.81	LYME DISEASE		1	0	0-1	6	2
084	MALARIA	3	3	1	0-3	8	16
055.9	MEASLES			0	0-0		
036.0	MENINGOCOCCAL CSF			0	0-1	2	1
036.82	MENINGOCOCCAL ARTHROPATH				***		
036.2	MENINGOCOCCEMIA BLOOD			0	0-1	2	
B95.6	MRSA	151	189	66	0-144	915	1208
072.9	MUMPS	1		0	0-2	8	1
036.89	N.MENINGITIDIS OTHER			0	0-1	2	2
728.86	NECROTIZING FASCIITIS	1		1	0-2	7	13
729.1	NECROTIZING MYOSITIS				***		
323.9	OTHER ENCEPHALITIS			0	0-0		
033.1	PARAPERTUSSIS				***	1	

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

		MONTHLY TOTAL				YEAR-TO-DATE	
ICD9	DISEASE/INFECTION	2005	2006	Expected*	Ex. Range**	2005	2006
002.9	PARATYPHOID			0	0-0		
027.2	PASTEURELLA MULTOCIDA				***		
033.0	PERTUSSIS		1	5	0-13	26	8
038.2	PNEUM. SEPTICEMIA	3	4	5	0-11	61	63
073.9	PSITTACOSIS			0	0-0		
083.0	Q FEVER			0	0-1		
331.81	REYE'S SYNDROME				***		
391	RHEUMATIC FEVER			0	0-1		
056.9	RUBELLA			0	0-0		
771.0	RUBELLA CONGENTIAL			0	0-0		
041.2	S.PNEUM.OTHER	1		1	0-3	14	4
003.0	SALMONELLA	12	11	17	11-23	119	115
120	SCHISTOSOMIASIS			0	0-0		1
004	SHIGELLOSIS	2	1	1	0-4	8	10
050.9	SMALLPOX				***		
005.0	STAPHYLOCOCCAL			0	0-1		
785.5	STAPHYLOCOCCUS AUREUS				***		
481.9	STREP PNEUMONIA - PR			0	0-0		
711.0	STREP.PNEUM.ARTHRITIS			0	0-0		1
580.0	STREPT GLOMERULONEPHRITIS			0	0-0		
040.89	STREPT TOXIC SHOCK			0	0-1	2	
481	STREPTOCOCCUS PNEUMONIAE			0	0-1	3	
127.2	STRONGYLOIDES		1	0	0-1	3	4
037	TETANUS			0	0-1		1
130.9	TOXOPLASMOSIS			1	0-5		1
124	TRICHINOSIS			0	0-0		
086	TRYPANOSOMA CRUZI			0	0-0		
013	TUBERCULOSIS - NON-RESP.	1	1	3	0-8	21	20
011	TUBERCULOSIS - RESP.	9	3	6	0-14	67	57
010	TUBERCULOSIS-PRIM.			1	0-3	8	13
021.9	TULAREMIA			0	0-1	1	1
002.0	TYPHOID			0	0-1		
081.9	TYPHUS			0	0-0		
B96.8	VANCOMYCIN R. ENTEROCOCCI	7			***	36	27
005.4	VIBRIO PARAHAEMOLYTICUS				***		
070.59	VIRAL HEP. OTHER				***		
047.0	VIRAL MENINGITIS-COXSACK		1	1	0-4	1	10
047.1	VIRAL MENINGITIS-ECHO	8		5	0-11	25	7
047.8	VIRAL MENINGITIS-ENTERO	4	1		***	16	5
054.72	VIRAL MENINGITIS-H SIMP			0	0-1		
047.9	VIRAL MENINGITIS-UNSPEC			0	0-1		
B95.7	VRSA			0	0-0		
062.1	W. EQUINE ENCEPHALITIS			0	0-0		
196	WNV ASYMPTOMATIC INFECTION				***	3	1
198	WNV NEUROLOGICAL SYNDROME				***	10	16
197	WNV NON-NEUROLOGICAL SYND	5	2		***	45	31
066.3	WNV UNCLASSIFIED		2		***		3
008.44	YERSINIA ENTEROCOLITICA	4	2	1	0-3	13	12
		420	**415**			**2789**	**3254**

* Mean of 15 month totals, from previous, comparable and subsequent months for the past 5 years

** Mean +/- 2 standard deviations of mean

*** Data collected for less than 5 years.

SUMMARY OF COMMUNICABLE DISEASE BY AGE AND GENDER FOR September 2006

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
006.9	AMEBIASIS														1								1						2
008.43	CAMPYLOBACTER	1				2	2	1	1					2		2		4	4		3	1	1	1		1	1		27
558.2	CLOSTRIDIUM DIFFICILE						1	1		1		1	2	1	2	6	1	3	2	4	1	6	4	11	13	19	14		93
007.8	CRYPTOSPORIDIOSIS			1	4			1			1	1								1									9
008.0	E. COLI 0157			3	2									1			1	1		1			1	2	1	2			15
007.1	GIARDIA LAMBLIA			2	3	1	1				1					1		1											10
041.5	HAEM.INFLUENZA B (not csf																1												1
480.8	HANTA VIRUS				1																								1
070.51	HEPATITIS C									1				1	1	5	6	3	8	2	2	1						2	32
482.83	LEGIONELLA																		1										1
027.0	LISTERIA MONOCYTOGENES																									1			1
088.81	LYME DISEASE							1																					1
084	MALARIA												2				1												3
B95.6	MRSA		4	8	7	13	10	9	7	3	5	9	1	8	2	7	7	8	9	6	11	8	7	6	11	7	16		189
033.0	PERTUSSIS		1																										1
003.0	SALMONELLA			1	1						1			1		3			1		1	1		1					11
004	SHIGELLOSIS				1																								1
038.2	STREP.PNEUMOCOCCAL SEPTIC			1	1											1	1												4
127.2	STRONGYLOIDIASIS														1														1
013	TUBERCULOSIS - NON-RESP.																								1				1
011	TUBERCULOSIS - RESP.																		1				1			1			3
047.0	VIRAL MENINGITIS-COXSACK		1																										1
047.8	VIRAL MENINGITIS-ENTERO														1														1
196	WNV Asymptomatic Infectio											1																	1
198	WNV Neurological Syndrome													1		1		3	3	1	3	1			2		1		16
197	WNV Non-Neurological Synd												1			1	2	4	6	2	6		4	2	1	1	1		31

		<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
ICD9	Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
066.3	WNV Unclassified												1								2								3
008.44	YERSINIA ENTEROCOLITICA												1					1											2
		1	6	16	20	16	14	13	8	5	8	12	8	15	8	27	20	28	35	17	29	18	19	23	29	32	33		462

SUMMARY OF COMMUNICABLE DISEASE BY REGION (RHA) FOR September 2006

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
006.9	AMEBIASIS	1					1																2
008.43	CAMPYLOBACTER	11	2				2		1		3		4		2			1				1	27
558.2	CLOSTRIDIUM DIFFICILE	57	3		2		5		4		9		8		3			1	1				93
007.8	CRYPTOSPORIDIOSIS	4					2		1		1		1										9
008.0	E. COLI 0157	8	2				1				1	1	2										15
007.1	GIARDIA LAMBLIA	5							1		3						1						10
041.5	HAEM.INFLUENZA B (not csf	1																					1
480.8	HANTA VIRUS								1														1
070.51	HEPATITIS C	25			1				2		1						1		1			1	32
482.83	LEGIONELLA				1																		1
027.0	LISTERIA MONOCYTOGENES												1										1
088.81	LYME DISEASE	1																					1
084	MALARIA	2																				1	3
B95.6	MRSA	70	4	1	1				2		4	1	7	1	1	1	18	56	18		1	3	189
033.0	PERTUSSIS	1																					1
003.0	SALMONELLA	4			2				1		1		1		1		1						11
004	SHIGELLOSIS	1																					1
038.2	STREP.PNEUMOCOCCAL SE PTIC	1																1	2				4
127.2	STRONGYLOIDIASIS	1																					1
013	TUBERCULOSIS - NON-RESP.																	1					1
011	TUBERCULOSIS - RESP.	2					1																3
047.0	VIRAL MENINGITIS-COXSACK																		1				1
047.8	VIRAL MENINGITIS-ENTERO	1																					1
196	WNV Asymptomatic Infectio								1														1
198	WNV Neurological Syndrome	5			1		2		6		2												16
197	WNV Non-Neurological Synd	9			1		1		4		9		6						1				31
066.3	WNV Unclassified	3																					3
008.44	YERSINIA ENTEROCOLITICA								1												1		2

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

ICD9	Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**				*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
		213	11	1	9		15		25		34	2	30	1	7	1	21	60	24		2	6	462
Missing Investigation Forms (Jan.1 to end of August)		191	6	1	3		10	1	4	1	4		11		1		1	4	2	1	2		243

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction

STD Infection Summary Report - September 2006

	MONTHLY TOTAL		YEAR-TO-DATE	
DISEASE/INFECTION	**2005**	**2006**	**2005**	**2006**
All Chlamydia Infections	334	368	2944	3150
All Gonorrhea Infections (including PRNG)	112	136	769	1224
All Syphilis Infections	11	4	63	42
Gonorrhea & Chlamydia Co-infections	42	47	337	381
Penicillin Resistant Gonorrhea Infections (PRNG)				
Suspect PRNG				
HIV	12	11	87	68

Total Number of STD Cases by Age and Gender - September 2006

	<1		1 - 4		5 - 9		10 - 14		15 - 19		20 - 24		25 - 29		30 - 39		40 - 49		50 - 59		60 - 69		70 - 79		80 +		Missing	Total
Disease Name	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	age/gendr	
Chlamydia Only Cases							6		90	18	74	46	28	14	25	9	1	8		1		1						321
Gonorrhea Only Cases			1		2		2		13	8	10	12	6	11	7	10	1	6										89
Syphilis Only Cases											1									2		1						4
GC and CT Cases					1		1		13	7	9	6	2	3		4		1										47
			1		3		9		116	33	94	64	36	28	32	23	2	15		3		2						461
HIV													1		2	3	1	2		1		1						11

Regional STD Distribution - September 2006

Disease/Infection	Winnipeg	Brandon	N.Eastman		S.Eastman		Interlake		Central		Assiniboine		Parkland		Norman		Burntwood		Churchill	OOP	Missing	TOTAL
*Case Referred to:**			*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*	*F*	*P*				
All Chlamydia Infections	159	8	4	14	1	8	6	11		26		9	5	20	3	14	56	21		3		368
All Gonorrhea Infections	62	2	2	5			1	7	1	12		2		4		4	22	11		1		136
All Syphilis Infections	3							1														4
GC and CT Infections	12	1		3				3		2		1		3		2	13	6		1		47

Missing Investigation Forms (Jan.1 to end of August)	44	7	5	3		2	8	6		4		4	1	1	22	10	51	6		1	1	176

* F=Federal Jurisdiction (includes First Nations and Inuit Health Branch and Stony Mountain Penitentiary) P=Provincial Jurisdiction